



Coupling Variable Settings

Variables	Source	Destination
Name	Type	Defined from → Available in
u	scalar	Geom1:sub 1.2 → Geom2:sub 1
v	scalar	Geom2:sub 1 → Geom1:sub 1.2

Variable name:

Variable type:

☒ On top

FIG. 51

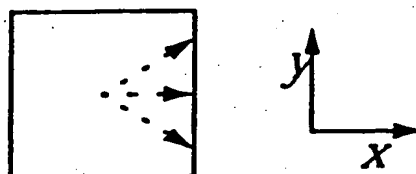


FIG. 52

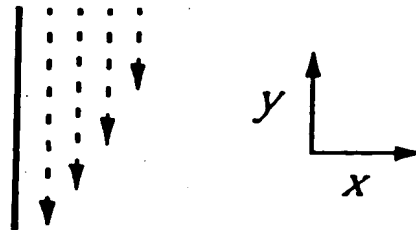


FIG. 53A

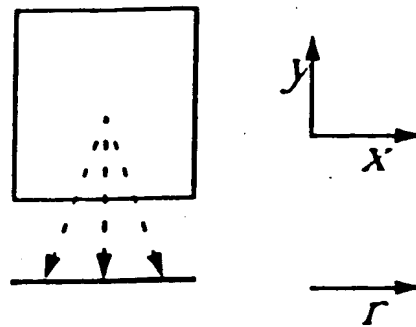


FIG. 53B

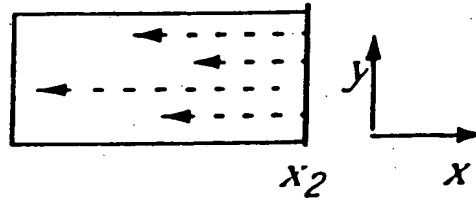


FIG. 54

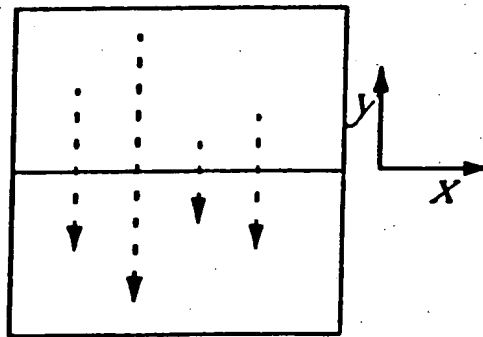


FIG. 55A

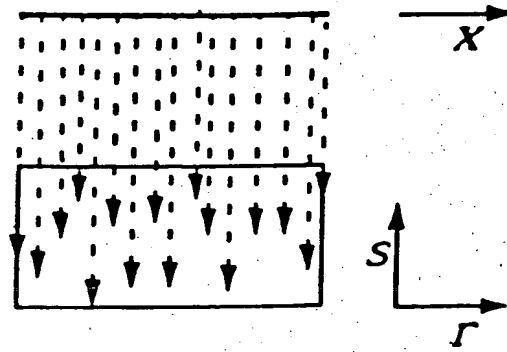


FIG. 55B

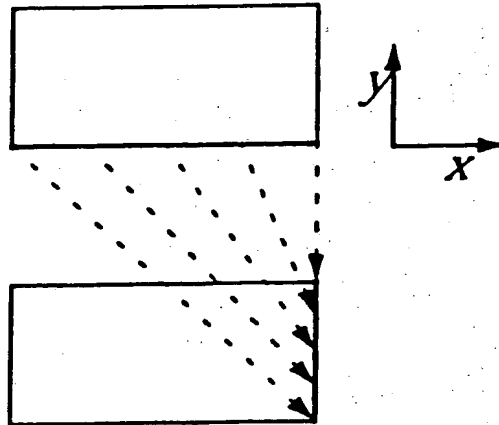


FIG. 55C

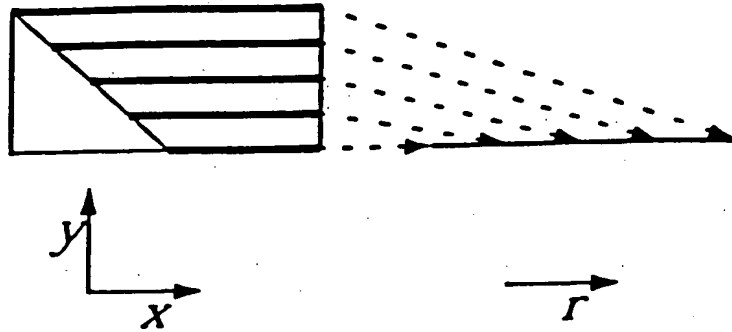


FIG. 56A

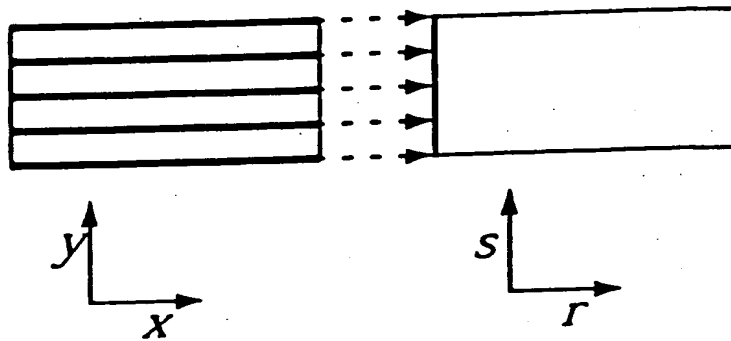


FIG. 56B

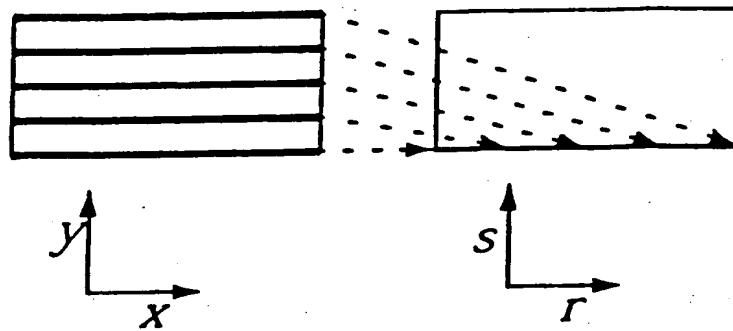


FIG. 56C

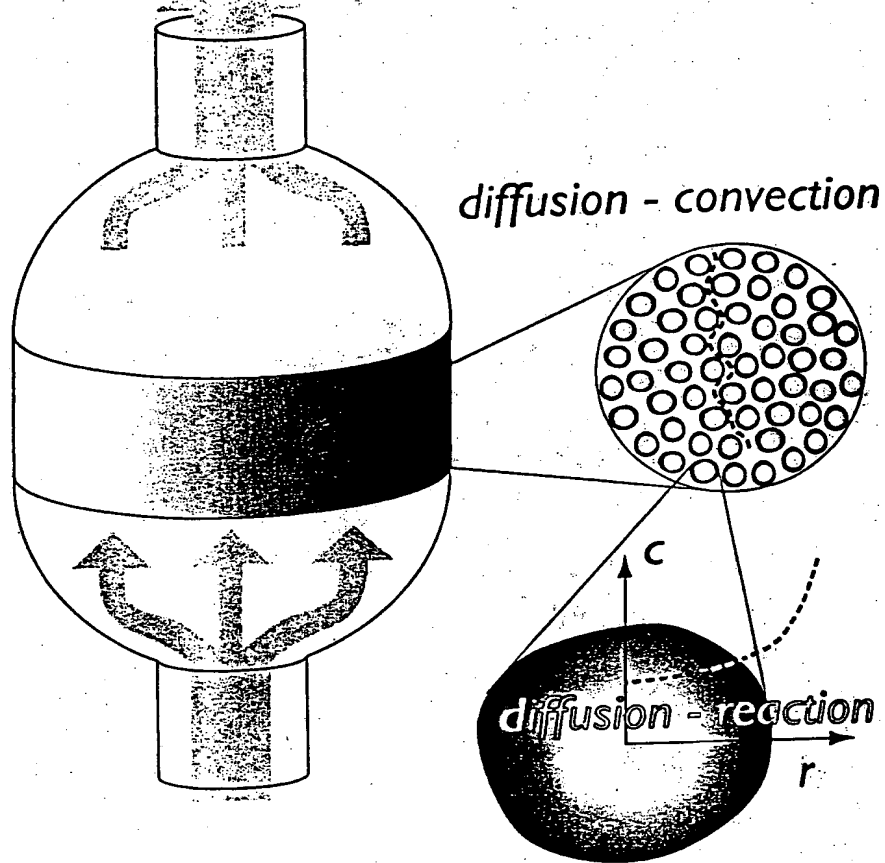


FIG. 57

Coupling Variable Settings

Variables	Source	Destination
C x	extrusion	Geon2:sub 1 -> Geon1:bnd 3
Ndotn x	extrusion	Geon1:sub -> Geon1:sub

Variable name:
 Variable type:

☒ On top

FIG. 58

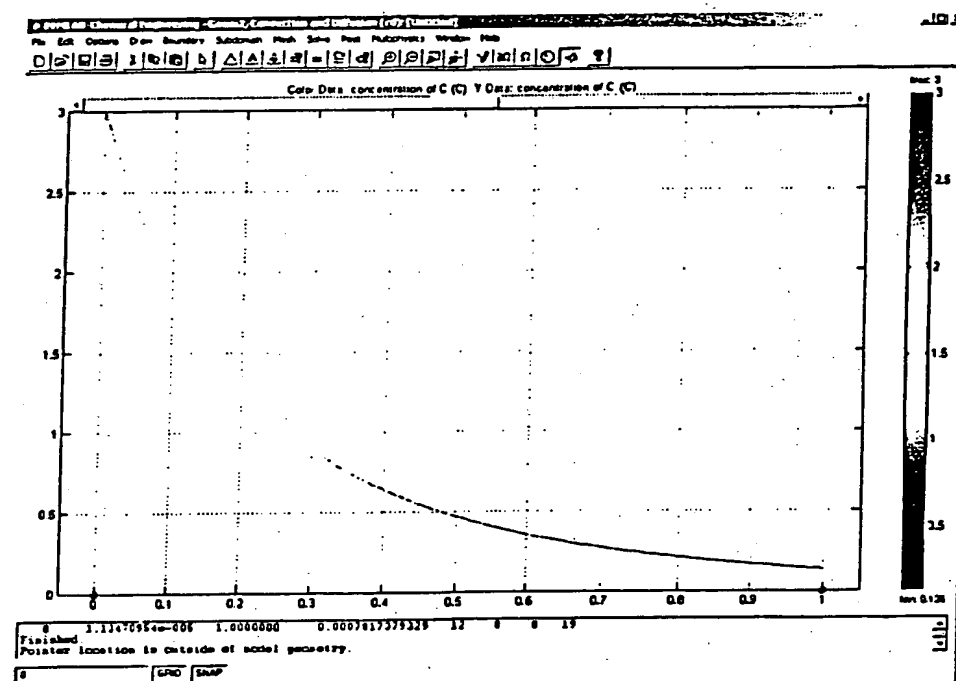


FIG. 59

Contour: x Height: concentration of c1 (c1) Line: c1r Line Z: c1r/20

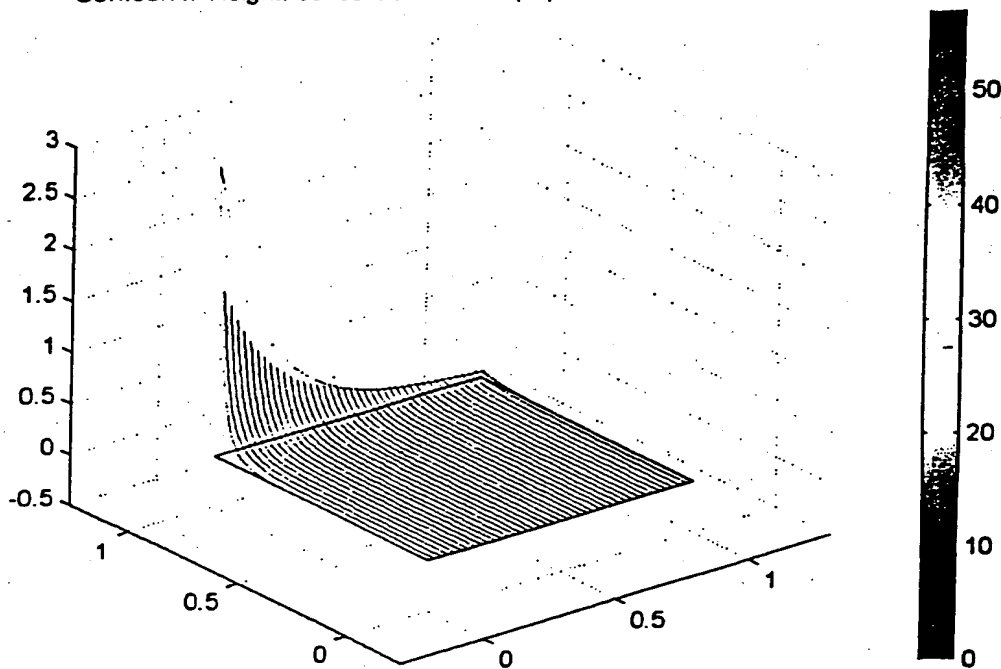


FIG. 60

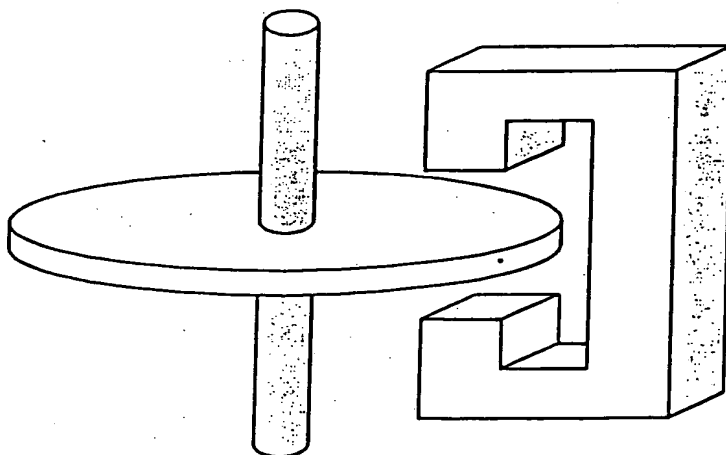


FIG. 61

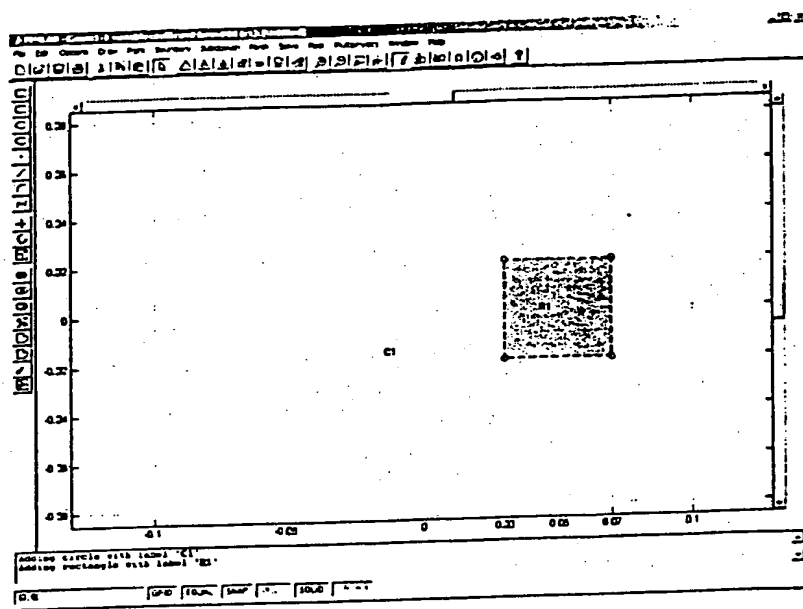


FIG. 62

Expression Variable Settings

Name	Type	Defined in
B0	subdomain	Geonl:sub

Variable name:

Variable type:

☒ On top

FIG. 63

Expression Variable Settings

Variables | Definition

Variable: B0

Domain selection

Geometry: Geom1

Level: subdomain

1
2

Select by group

Definition ☒ Copy from 2

Expression: 1e-3

☒ On top OK Cancel Apply

FIG. 64

Mesh Parameters

General mesh parameters

Max edge size, general: 0.04

Mesh growth rate: 1.3

Mesh curvature factor: 0.3

Symmetry boundaries

☒ Jiggle mesh

Mesh smoothing parameters

Optimization method: mean

Number of jiggle iterations

Refinement method: regular

<< Less

Local element size

Max element size near vertices

Max element size for edges

Max element size for subdomains: 2 0.01

Number of elements

Total number of elements

Number of elements per edge

Mesh size expression

Geometry resolution parameters

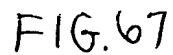
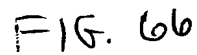
Default, vertices per edge: 10

Specified, vertices per edge

Remesh OK Cancel

FIG. 65

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Coupling Variable Settings

Variables | Source | Destination |

Variable: M

Domain selection

Geometry:

Level:

☐ Select by group

Definition ☒ Copy from:

Integrand: $(B+80) \cdot y \cdot B \cdot x \cdot B \cdot y / \mu$

Integration order:

Local mesh transformation:

x:

y:

z:

☒ On top

FIG. 68

Coupling Variable Settings

Variables | Source | Destination |

Variable: M

Domain selection

Geometry:

Level:

☐ Select by group

Definition ☒ Copy from:

☒ Active in this domain

Evaluation point transformation:

x:

y:

z:

☒ On top

FIG. 69

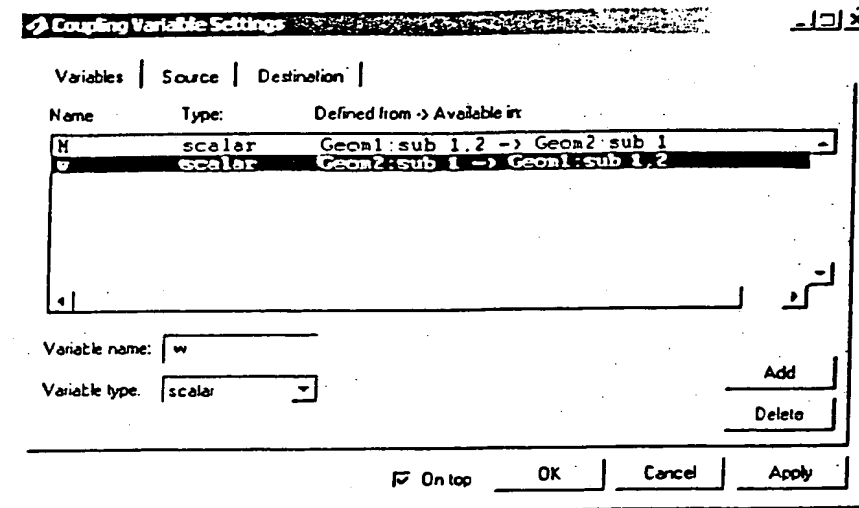


FIG. 70

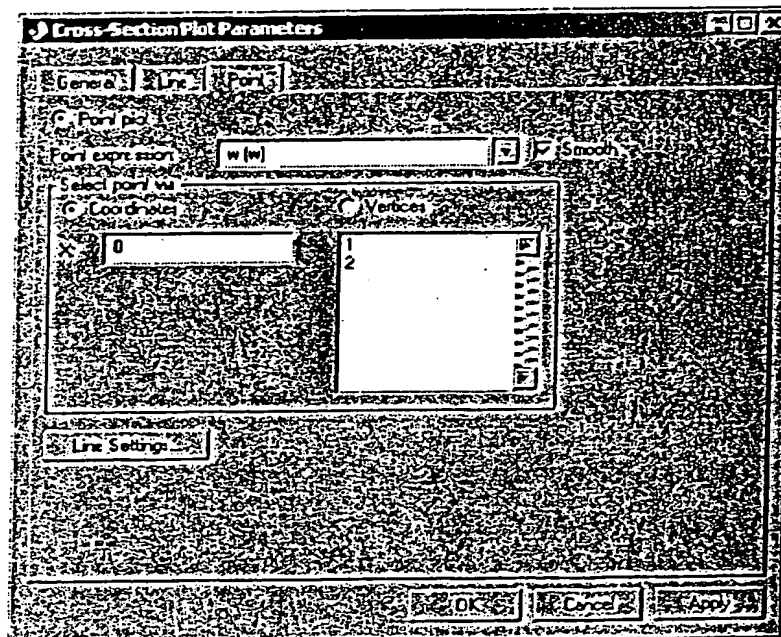


FIG. 71

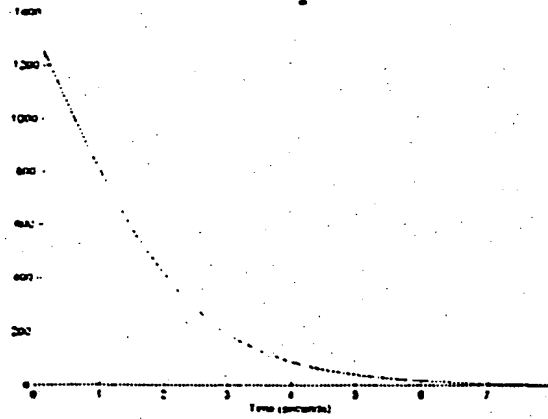


FIG. 72A

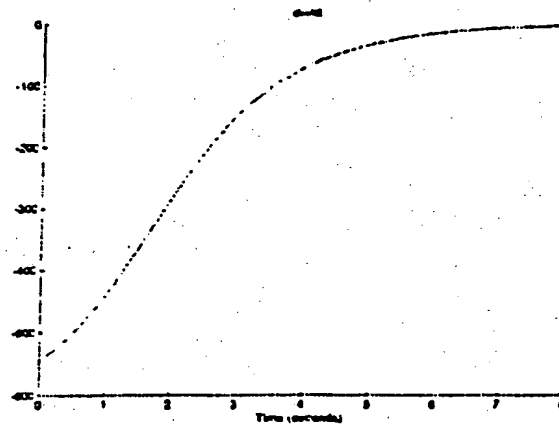


FIG. 72B